

Serial No. 10/759,419

Attorney Docket No. VX012307

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JUL 23 2008

**LISTING OF CLAIMS:**

1-25 (Canceled)

26. (Previously presented) A flaky, isotropic SmFeN powdery magnet material prepared by roll-quenching a molten alloy and nitriding the alloy powder thus obtained to form a magnet alloy; the magnet alloy consisting of an alloy composition of the formula, by atomic %:



wherein  $7.1 \leq x \leq 12$  and  $0.5 \leq v \leq 20$ , a TbCu<sub>7</sub> crystal structure, and flakes with a thickness of 10-40 $\mu\text{m}$ ,

wherein

$a = 0.3$  at.% of the alloy composition up to 30 at.% of Sm, and

$b = 2.0$  at.% of the alloy composition up to 35 at.% of Fe, and

wherein the magnet alloy has an intrinsic coercive force (iH<sub>c</sub>) of 7 kOe or higher.

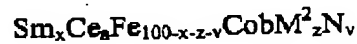
27. (Previously presented) A powdery magnet material according to claim 26, wherein the average crystal grain size of the material is 10 nm to 0.5  $\mu\text{m}$ .

28. (Previously presented) A bonded magnet made by processing the magnet powder according to claim 26 with a binder to the shape of a magnet.

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29. (Previously presented) A flaky, isotropic SmFeN powdery magnet material prepared by roll-quenching a molten alloy and nitriding the alloy powder thus obtained to form a magnet alloy; the magnet alloy consisting of an alloy composition of the formula, by atomic %:



wherein  $7.1 \leq x \leq 12$ ,  $0.5 \leq v \leq 20$  and  $0.1 \leq z \leq 1.0$ , a TbCu<sub>7</sub> crystal structure, and flakes with a thickness of 10-40 μm,

wherein

a = 0.3 at.% of the alloy composition up to 30 at.% of Sm, and

b = 2.0 at.% of the alloy composition up to 35 at.% of Fe; and

wherein M<sup>2</sup> is selected from the group consisting of Si, Nb, Ti, Ga, Al, Ta and C, and

wherein the magnet alloy has an intrinsic coercive force (iH<sub>c</sub>) of 7 kOe or higher.

30. (Previously presented) A powdery magnet material according to claim 29, wherein the average crystal grain size of the material is 10 nm to 0.5 μm.

31. (Previously presented) A bonded magnet made by processing the magnet powder according to claim 29 with a binder to the shape of a magnet.

32. (Previously presented) A flaky, isotropic SmFeN powdery magnet material prepared by roll-quenching a molten alloy and nitriding the alloy powder thus obtained to form a magnet alloy; the magnet alloy consisting of an alloy composition of the formula, by atomic %:

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wherein  $7.1 \leq x \leq 12$  and  $0.5 \leq v \leq 20$ , a  $\text{TbCu}_7$  crystal structure, and flakes with a thickness of 10-40 $\mu\text{m}$ ,

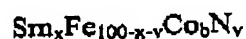
wherein  $a = 0.3$  at.% of the alloy composition up to 30 at.% of Sm, and

wherein the magnet alloy has an intrinsic coercive force (iHc) of 7 kOe or higher.

33. (Previously presented) A powdery magnet material according to claim 32, wherein the average crystal grain size of the material is 10 nm to 0.5  $\mu\text{m}$ .

34. (Previously presented) A bonded magnet made by processing the magnet powder according to claim 32 with a binder to the shape of a magnet.

35. (Previously presented) A flaky, isotropic  $\text{SmFeN}$  powdery magnet material prepared by roll-quenching a molten alloy and nitriding the alloy powder thus obtained to form a magnet alloy; the magnet alloy consisting of an alloy composition of the formula, by atomic %:



wherein  $7.1 \leq x \leq 12$  and  $0.5 \leq v \leq 20$ , a  $\text{TbCu}_7$  crystal structure, and flakes with a thickness of 10-40 $\mu\text{m}$ ,

wherein  $b = 2.0$  at.% of the alloy composition up to 35 at.% of Fe, and

wherein the magnet alloy has an intrinsic coercive force (iHc) of 7 kOe or higher.

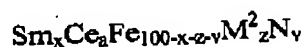
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36. (Previously presented) A powdery magnet material according to claim 35, wherein the average crystal grain size of the material is 10 nm to 0.5  $\mu\text{m}$ .

37. (Previously presented) A bonded magnet made by processing the magnet powder according to claim 35 with a binder to the shape of a magnet.

38. (Previously presented) A flaky, isotropic SmFeN powdery magnet material prepared by roll-quenching a molten alloy and nitriding the alloy powder thus obtained to form a magnet alloy; the magnet alloy consisting of an alloy composition of the formula, by atomic %:



wherein  $7.1 \leq x \leq 12$ ,  $0.5 \leq v \leq 20$  and  $0.1 \leq z \leq 1.0$ , a TbCu<sub>7</sub> crystal structure, and flakes with a thickness of 10-40  $\mu\text{m}$ ,

wherein  $a = 0.3$  at.% of the alloy composition up to 30 at.% of Sm,

wherein  $\text{M}^z$  is selected from the group consisting of Si, Nb, Ti, Ga, Al, Ta and C, and

wherein the magnet alloy has an intrinsic coercive force (iH<sub>c</sub>) of 7 kOe or higher.

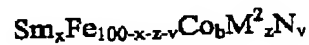
39. (Previously presented) A powdery magnet material according to claim 38, wherein the average crystal grain size of the material is 10 nm to 0.5  $\mu\text{m}$ .

40. (Previously presented) A bonded magnet made by processing the magnet powder according to claim 38 with a binder to the shape of a magnet.

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41. (Previously presented) A flaky, isotropic SmFeN powdery magnet material prepared by roll-quenching a molten alloy and nitriding the alloy powder thus obtained to form a magnet alloy; the magnet alloy consisting of an alloy composition of the formula, by atomic %:



wherein  $7.1 \leq x \leq 12$ ,  $0.5 \leq v \leq 20$  and  $0.1 \leq z \leq 1.0$ , a TbCu<sub>7</sub> crystal structure, and flakes with a thickness of 10-40 μm,

wherein  $b = 2.0$  at.% of the alloy composition up to 35 at.% of Fe,

wherein M<sup>2</sup> is selected from the group consisting of Si, Nb, Ti, Ga, Al, Ta and C, and

wherein the magnet alloy has an intrinsic coercive force (iH<sub>c</sub>) of 7 kOe or higher.

42. (Previously presented) A powdery magnet material according to claim 41, wherein the average crystal grain size of the material is 10 nm to 0.5 μm.

43. (Previously presented) A bonded magnet made by processing the magnet powder according to claim 41 with a binder to the shape of a magnet.